

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: March 22, 1994  
Effective: June 29, 1994

DIGITAL LINK SERVICE TARIFF  
Section: 4  
Sheet: 3  
Revision: 2  
Replacing: 1

**MEGALINK III - WIDEBAND DIGITAL SERVICE/1.544 MBPS**

**3. Rate Configuration**

**3.1 General**

There are four basic rate elements which may apply to MegaLink III service:

- Local distribution channel
- Interoffice channel mileage
- Additional service features
- Surcharge

**3.2 Local Distribution Channel**

The local distribution channel is the channel between a customer's premises and the SWBT serving wire center that normally provides service to that customer's premises.

**3.3 Interoffice Channel Mileage**

Interoffice channel mileage is defined as the component of the service between two SWBT serving wire centers, between a serving wire center and a SWBT-designated digital hub, or between digital or NRS hubs. The serving wire centers may be located in the same exchange area, as in a multi-office metropolitan exchange, or may be located in different exchange areas.

Interoffice channel mileage charges include a fixed charge, and a per mile charge which is based on the vertical and horizontal (V-H) distance between serving wire centers, a serving wire center and a digital hub, between digital or NRS hubs, or between exchanges, measured in whole miles. Fractional miles are rounded to the next whole mile. V-H coordinates for serving wire centers and designated digital and NRS hubs can be found in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff.

**3.4 Additional Service Features**

(T)

(D)

(D)

**3.4.1 Central Office Multiplexing**

(T)

Central office multiplexing is an arrangement which converts a 1.544 mbps channel to multiple channels suitable for use with voice grade or subrate digital services. Central office multiplexing is available only in certain SWBT-designated multiplexing hub locations. Refer to the NECA Wire Center Information Tariff for locations. Special routing may be required in order to provide this service. There are three levels of central office multiplexing available:

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: March 22, 1994  
Effective: June 29, 1994

DIGITAL LINK SERVICE TARIFF  
Section: 4  
Sheet: 4  
Revision: 1  
Replacing: Original

**MEGALINK III - WIDEBAND DIGITAL SERVICE/1.544 MBPS**

**3. Rate Configuration (Cont'd)**

**3.4 Additional Service Features (Cont'd)**

(T)

**3.4.1 Central Office Multiplexing (Cont'd)**

(T)

**(A) 1.544 mbps (DS1) to Voice**

(T)

This arrangement provides for 24 channels for use with voice or voice grade data services. Derived channels of the 1.544 mbps channel to the hub may also be used for MegaLink I Standard Digital Service or Dataphone Digital Service. Voice grade services may not include services which terminate directly into the public switched network.

**(B) 1.544 mbps (DS1) to 64 kbps (DS0)**

(T)

An arrangement that converts a 1.544 mbps channel to twenty-three (23) 64 kbps channels using digital time division multiplexing.

**(C) 64.0 kbps (DS0) to Subrate**

(T)

An arrangement that converts a 64 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or five 9.6 kbps channels using digital time division multiplexing. This feature is available only in conjunction with 1.544 mbps (DS1) to 64 kbps (DS0) multiplexing as part of a cascading multiplex arrangement in the same multiplexing hub location.

**3.4.2 Clear Channel Capability (CCC)**

(T)

Clear channel capability (CCC) is a feature that provides the customer with an increase in usable bandwidth from 1.344 mbps to 1.536 mbps of an unconstrained data stream across the network. CCC is provided on 1.544 mbps service and provisioning of CCC in our network requires the customer signal at the channel interface to conform to bipolar with eight zero substitution (B8ZS) line code format as described in Bellcore Technical Advisory TA-TSY-000342. Customer equipment must be compatible with this method of providing the unconstrained signal. Provision of this feature may require special routing of the interoffice channel mileage.

**3.4.3 Extended Superframe Format (ESF)**

(N)

Extended superframe format (ESF) is a non-chargeable option that passes a customer-provided framing format for 1.544 mbps service. ESF extends the customer's 1.544 mbps framing structure from 12 to 24 frames and divides the 8 kbps 193rd bit position pattern into three distinct functions: 2 kbps for frame synchronization, 2 kbps for cyclic redundancy checking, and 4 kbps for performance monitoring.

(N)

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: March 22, 1994  
Effective: June 29, 1994

DIGITAL LINK SERVICE TARIFF  
Section: 4  
Sheet: 4.1  
Revision: Original  
Replacing:

**MEGALINK III - WIDEBAND DIGITAL SERVICE/1.544 MBPS**

**3. Rate Configuration (Cont'd)**

**3.4 Additional Service Features (Cont'd)**

**3.4.3 SecureNet**

SecureNet provides automatic restoration capabilities which prevent service interruption in the event of a single facility break or a single loop electronics failure. SecureNet is available with point-to-point Megalink III service only where fiber optic facilities are used to provide the Megalink III service.

The automatic restoration capabilities are provided through the use of intelligent components which are capable of sensing transmission failure in the fiber facilities. The primary and secondary transmission paths are separately routed in geographically and physically separate fiber optic cables up to the point nearest the customer's premises that route redundancy can be achieved. In the event of a transmission failure caused by a single facility break or a single loop electronics failure, the intelligent components will automatically switch the Megalink III service to the secondary transmission path within 2.0 seconds.

The secondary transmission path for Megalink III service equipped with SecureNet will be routed in a geographically separate fiber optic cable up to the nearest point to the customer's premises that route redundancy can be achieved. In the event a facility break occurs in that portion of the Megalink III service for which route redundancy could not be achieved (e.g., interoffice channel mileage), SWBT cannot guarantee automatic restoration of the customer's service within 2.0 seconds, and a credit as set forth in 2.3.2 preceding will not apply. In this case, the normal allowance for service interruptions applies as outlined in 2.3.1 preceding.

SecureNet is available at those serving wire centers where equipment and facilities are available. Special construction charges may apply when fiber optic facilities are not available or unusual expenditures are involved in making them available to provide this feature. The service interval will be within two years from date of customer request for service or the agreed upon date if special construction applies.

The SecureNet option available is loop protection. This option provides automatic restoration of the Megalink III service local distribution channel and physical route redundancy from the customer's premises to the customer's serving wire center in the event of a single loop failure.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: December 5, 1991  
Effective: January 9, 1992

DIGITAL LINK SERVICE TARIFF  
Section: 4  
Sheet: 5  
Revision: Original  
Replacing:

### MEGALINK III - WIDEBAND DIGITAL SERVICE/1.544 MBPS

## 3. Rate Configuration (Cont'd)

### 3.5 Surcharge

#### 3.5.1 General

This surcharge compensates SMT for use of the local exchange network when Megalink III service connected to a PBX or equivalent device which is capable of interconnecting the Megalink III service, or a derived voice-equivalent channel carrying a interexchange private line service, with local exchange service. Megalink III service can provide a maximum of 24 voice-equivalent channels per service arrangement. SMT will automatically bill the appropriate surcharge on each voice-equivalent channel irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex-CO type switch unless the service is exempted from the surcharge by one of the methods in 3.5.2.

#### 3.5.2 Exemption from the Surcharge

A customer may be exempted from the surcharge if the customer certifies that the Megalink III service derived voice-equivalent channel is terminated in a device not capable of interconnecting the service with local exchange service. The customer may also be exempted by certifying that the derived voice-equivalent channel is associated with a switched access service in the same LATA that is subject to carrier common line (CCL) charges.

#### 3.5.3 Exemption Certification

Exemption certification shall be in the form of a written notification to SMT. Such notification shall be provided by the customer, (1) at the time the service is ordered, or (2) at such time as the service is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the service becomes associated with a switched access service that is subject to CCL charges.

The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in the preceding for each termination, and the date which the exemption is effective.

If written certification is not received at the time an order for Megalink III service is placed, the surcharge will be applied for each derived voice-equivalent channel. Exempt status will become effective on the date certification is received by SMT.

The customer shall also notify SMT when an exempted Megalink III service is changed or reterminated such that the exemption is no longer applicable.

#### 3.5.4 Crediting the Surcharge

SMT will cease billing the surcharge when certification that the service has become exempt from the surcharge as set forth in 3.5.3, preceding, is received. If the status of the service was changed prior to receipt of the exemption certification, SMT will credit the customer's account that an amount up to and limited to 90 days (three months) billing based on the effective date of the change specified by the customer in the letter of certification.

President - Texas Division  
 Southwestern Bell Telephone Company  
 Dallas, Texas  
 Issued: March 22, 1994  
 Effective: June 29, 1994

DIGITAL LINK SERVICE TARIFF  
 Section: 4  
 Sheet: 6  
 Revision: 1  
 Replacing: Original

**MEGALINK III - WIDEBAND DIGITAL SERVICE/1.544 MBPS**

**4. Rates and Charges**

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>	(T) (T)
<b>4.1 <u>Local Distribution Channel</u></b>				
- Per channel terminated on a customer's premises	\$ 275.27	\$ 645.00	1LDPJ	

**4.2 Interoffice Channel Mileage**

- Rate per V-H mile or fraction thereof, between serving wire centers, or between a serving wire center and digital hub.

	<u>Monthly Rates</u>		<u>USOC</u>
	<u>Fixed</u>	<u>Per Mile</u>	
1.544 mbps			
<u>Mileage Bands</u>			
0	None	None	3LBNA
Over 0 to 4	\$ 122.44	\$ 51.50	3LBNE
Over 4 to 8	122.44	51.50	3LBNC
Over 8 to 25	178.52	44.48	3LBND
Over 25 to 50	205.80	43.39	3LBNE
Over 50	205.80	43.39	3LBNE

**4.3 Additional Service Features**

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>	(T) (T) (D)   (D)
<u>Clear Channel Capability</u>				
- Per local distribution channel	\$30.00	\$ 185.25 {1}	CLR	(T)
<u>Extended Superframe Format</u>				
- Per local distribution channel	None	None	SF1	
<u>SecureNet</u>				(N)   (N)
- Per local distribution channel	95.00	685.00	P7T	

{1} Nonrecurring charge applies only to subsequent installation of this feature. No charge applies if provided at the time the local distribution channel is originally installed.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: December 5, 1991  
Effective: January 9, 1992

DIGITAL LINK SERVICE TARIFF  
Section: 4  
Sheet: 7  
Revision: Original  
Replacing:

**MEGALINK III - WIDEBAND DIGITAL SERVICE/1.544 MBPS**

**4. Rates and Charges (Cont'd)**

**4.3 Additional Service Features (Cont'd)**

	<u>Monthly Rate Charge</u>	<u>Nonrecurring Rate</u>	<u>USOC</u>
<u>Central Office Multiplexing</u>			
1.544 mbps (DS1) to Voice {1} - Per arrangement	\$ 292.24	None	MQ1
1.544 mbps (DS1) to 64.0 kbps (DS0) - Per arrangement	347.26	None	QMU
64.0 kbps (DS0) to Subrate {2} {3} - Per arrangement			
- Up to twenty 2.4 kbps services	185.58	None	QSU24
- Up to ten 4.8 kbps services	361.52	None	QSU48
- Up to five 9.6 kbps services	702.74	None	QSU96

**4.4 Surcharge**

- Per voice-equivalent channel terminated on a customer's premises {4}	25.00	None	S25
--	-------	------	-----

- {1} For rates for analog voice or data channels used in conjunction with this multiplexing arrangement refer to the Private Line Service Tariff, Section 2. For rates for Megalink I - Standard Digital Service refer to the Digital Link Service Tariff, Section 2. For rates for Dataphone Digital Service refer to the Dataphone Digital Service Tariff.
- {2} This additional service feature also requires the purchase of DS1 to DS0 multiplexing as described above.
- {3} For rates for digital subrate services (2.4 kbps, 4.8 kbps and 9.6 kbps) used in conjunction with this multiplex arrangement, refer to the Megalink I - Standard Digital Services the Digital Link Service Tariff, Section 2, or the Dataphone Digital Service Tariff.
- {4} Refer to the Private Line Service Tariff, Section 1, for regulations on the application of surcharges for the distant termination of an interexchange private line channel that may be using a derived voice channel on a Megalink III service.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: December 1, 1994  
Effective: May 5, 1995

DIGITAL LINK SERVICE TARIFF  
Section: 4  
Sheet: 8  
Revision: Original  
Replacing:

**MEGALINK III - WIDEBAND DIGITAL SERVICE/1.544 MBPS**

**4. Rates and Charges (Cont'd)**

**4.5 Term Pricing Plan**

- 4.5.1 The Term Pricing Plan provides the customer with rate stabilization and discounted tariff rates. The Term Pricing Plan provides for one, three or five year rate stabilization. Decreases in monthly recurring tariff rates will be passed on to customers who participate in a Term Pricing Plan. SWBT will notify customers participating in a Term Pricing Plan when monthly rates are decreased.

Should SWBT increase its rates during the Term Pricing Plan period, the customer would continue to pay the rates in effect at the time the customer elected to establish service under the Term Pricing Plan.

- 4.5.2 The customer may choose to terminate an existing Term Pricing Plan before the end of the one, three or five year period and negotiate a new one, three or five year Term Pricing Plan. The new Term Pricing Plan must be based upon the rates that are currently in effect and available to all customers.
- 4.5.3 The customer must provide SWBT with a written notice of intent to renew a Term Pricing Plan no later than 90 days prior to its expiration. A Term Pricing Plan may not be renewed beyond the one, three or five year commitment at the same tariff rate. If the customer elects not to renew the Term Pricing Plan, or does not notify SWBT of the customer's intent to renew the Term Pricing Plan, the service will automatically be billed under the tariffed monthly rates in effect at the time the Term Pricing Plan expires.
- 4.5.4 Any special construction charges incurred for services billed under a Term Pricing Plan will be applicable as provided for in Section 1 of this tariff.
- 4.5.5 Customers requesting the termination of a Term Pricing Plan prior to the expiration date, excluding Term Pricing Plans terminated as a result of a renegotiation, will be charged a termination charge based on a percentage of the remainder of the term as indicated below:

<u>Term Pricing Plan</u>	<u>Termination Percentage</u>
1 year	100%
3 years	100% for first year, 50% for each subsequent year.
5 years	100% for first year, 50% for each subsequent year.

The termination charge is calculated as follows:

Months remaining in  
Term Pricing Plan      X      Termination Percentage      =      Termination Charge

President - Texas Division  
 Southwestern Bell Telephone Company  
 Dallas, Texas  
 Issued: December 1, 1994  
 Effective: May 5, 1995

DIGITAL LINK SERVICE TARIFF  
 Section: 4  
 Sheet: 9  
 Revision: Original  
 Replacing:

**MEGALINK III - WIDEBAND DIGITAL SERVICE/1.544 MBPS**

**4 Rates and Charges (Cont'd)**

**4.5 Term Pricing Plan (Cont'd)**

4.5.6 Customers currently subscribing to Megalink III Service on a month-to-month basis may convert their existing service to either a one, three or five year Term Pricing Plan. Nonrecurring charges will be waived at the time of conversion.

**4.5.7 Local Distribution Channel**

- Per channel terminated on a customer's premises.

	Monthly Rates			USOC	Nonrecurring Charge
	<u>1 Year</u>	<u>3 Years</u>	<u>5 Years</u>		
1.544 Mbps	\$234.00	\$206.00	\$179.00	1LDPJ	\$645.00

**4.5.8 Interoffice Channel Mileage**

- Rate per V-H mile or fraction thereof, between serving wire centers, or between a serving wire center and digital hub.

Mileage Band	1 Year		3 Years		5 Years		USOC
	Fixed	Per Mile	Fixed	Per Mile	Fixed	Per Mile	
0	\$ None	\$ None	\$ None	\$ None	\$ None	\$ None	3LBNA
Over 0	104.00	44.00	92.00	39.00	80.00	33.00	3LBNA

**4.5.9 Clear Channel Capability**

- Per local distribution channel.

<u>1 Year</u>	Monthly Rates		<u>5 Years</u>	USOC	Nonrecurring Charge
	<u>3 Year</u>				
\$26.00	\$23.00	\$20.00	CLR		\$185.25



President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: December 1, 1994  
Effective: May 5, 1995

DIGITAL LINK SERVICE TARIFF  
Section: 4  
Sheet: 10  
Revision: Original  
Replacing:

**MEGALINK III - WIDEBAND DIGITAL SERVICE/1.544 MBPS**

**4. Rates and Charges (Cont'd)**

**4.5 Term Pricing Plan (Cont'd)**

**4.5.10 Central Office Multiplexing {1}**

	<u>1 Year</u>	<u>Monthly Rates</u> <u>3 Years</u>	<u>5 Years</u>
1.544 mbps (DS1) to Voice			
- Per arrangement	\$248.00	219.00	190.00
1.544 mbps (DS1) to 64.0 kbps (DS0)			
- Per arrangement	295.00	260.00	226.00
64.0 kbps (DS0) to Subrate			
- Per arrangement			
- Up to twenty 2.4 kbps services	158.00	139.00	121.00
- Up to ten 4.8 kbps services	307.00	271.00	235.00
- Up to five 9.6 kbps services	597.00	527.00	457.00

{1} Nonrecurring charges and USOC codes are the same as those listed in 4.3 preceding.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF  
Section: 7  
Sheet: 1  
Revision: Original  
Replacing:

## FRAME RELAY DIGITAL SERVICE

### 1. General

- 1.1 Frame Relay is a transport service that facilitates the exchange of variable length information units (frames) between end user connections by way of assigned virtual connections. Based on ANSI (American National Standards Institute) and CCITT (Comitee Consultatif International Telegraphique et Telephonique) standards for Frame Relay, each frame is passed to the Frame Relay network with an address that specifies the virtual connection.
- 1.2 Variable frame length capability is useful in communications between asynchronous Local Area Networks (LANs) and for transport of synchronous data traffic. Frame Relay is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.
- 1.3 This service is available to customers in Local Access and Transport Areas (LATAs) served by Southwestern Bell Telephone Company, herein referred to as SWBT.
- 1.4 Frame Relay is provided to the customer in the form of the Site Link and the Logical link. The Site Link forms the local access component which provides the customer access to the customer's serving central office and a primary address associated specifically with that customer. The logical link consists of the Frame Relay network and the interoffice transport and facilities from the customer's serving central office to the Frame Relay office(s).
- 1.5 SWBT does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer originated data.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF  
Section: 7  
Sheet: 2  
Revision: Original  
Replacing:

## FRAME RELAY DIGITAL SERVICE

### 2. Definitions

Link Extension - A customer served by an office located outside of an established Primary Market Area (PMA), but within the same LATA, will be required to order a Link Extension. The Link Extension will consist of interoffice transport between the Site Link at the customer's serving central office and the nearest central office within the PMA.

Local Area Network (LAN) - A short distance network, typically within a building or campus, used to link together computers and peripheral devices under some form of standard control.

Logical Link - The permanent virtual circuit between two customer Site Links which establishes a two-way connection which allows user data to flow. Includes the interoffice circuit between the Frame Relay switch and the Site Link at both ends; the Frame Relay switch(es); and the trunking between switches.

Network Link - A facility used to connect two PMAs within the same LATA.

Primary Market Area (PMA) - The geographic area in which Frame Relay Service is offered which consists of an exchange area suitably equipped for Frame Relay Service. Service is available outside the PMA (but within the same LATA) by subscribing to a distance sensitive Link Extension.

Site Link - The physical connection between the customer's premises and that customer's serving central office.

Virtual Connection (or virtual circuit) - A communications link that appears to be a dedicated point-to-point circuit but is actually established only on demand, thereby allowing shared use of part or all of the facility.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF  
Section: 7  
Sheet: 3  
Revision: Original  
Replacing:

### FRAME RELAY DIGITAL SERVICE

#### 3. Regulations

- 3.1 The following rules and regulations are in addition to other rules and regulations as stated in this or other SWBT tariffs.
- 3.1.1 Provision of this service (or provision of any specific element associated with this tariff) is subject to the availability and operational limitations of the equipment and associated facilities.
- 3.1.2 A variety of equipment and facilities may be used to provide this service, and SWBT reserves the right to determine which shall be used and to modify and change such equipment at its option.
- 3.1.3 No credit allowance will be made for interruptions due to the negligence and/or failure of equipment provided by customer or user. Furthermore, interruptions of service during any period in which SWBT is not afforded access to the premises at which this service is terminated will not receive a credit allowance.
- 3.1.4 The minimum billing period for this service is one month. If service is discontinued after the first month, during a fractional part of a month all appropriate charges will be based on the actual number of days the service is furnished. For the purpose of administering this regulation with respect to the determination of charges for a fractional part of a month, every month is considered to have 30 days.
- 3.1.5 This service requires the use of customer provided equipment which must be compatible with SWBT's equipment and facilities and must conform to industry standards for Frame Relay and specifications provided in SWBT Technical Publication TP 76642. This publication enumerates the applicable industry standards, and may be obtained from Southwestern Bell Telephone Company, Information Release Manager, 1010 Market, Room 810, St. Louis, MO 63101 (314 235-8300).
- 3.1.6 Frame Relay Service, when furnished at the same premises in combination with other Local Exchange Service, shall not be considered to be in conflict with rules of Paralleling Service contained in Paragraph 5.2 of Section 23, relating to Regulations Applying to All Customers' Contracts, of the General Exchange Tariff.
- 3.1.7 Service furnished to one customer may be assumed by a new customer upon due notice of cancellation or abandonment, provided there is no lapse in service and the service is assumed exactly as provided to the previous customer. The new customer must assume all the obligations of the previous customer. Such transfers are subject to any applicable transfer of contract charges specified in Section 27 of the General Exchange Tariff.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF  
Section: 7  
Sheet: 4  
Revision: Original  
Replacing:

### FRAME RELAY DIGITAL SERVICE

#### 3. Regulations (Cont'd)

- 3.1.8 SWBT shall be authorized to discontinue service upon notice from any official charged with the enforcement of the law stating that such service is being used as an instrumentality to violate the law. The customer will be notified immediately by SWBT, but such discontinuance of service will not be considered a service interruption for the purpose of credit allowance. Applicable charges will continue to accrue until service is disconnected at the customer's request.

#### 4. Service Availability

- 4.1 Frame Relay is available within the following Primary Market Areas (PMAs): Austin, Dallas, Ft. Worth, Houston and San Antonio. Frame Relay will be available within 120 days of a firm order in the Beaumont and El Paso PMAs. The PMA is defined as an exchange area suitably equipped to provide Frame Relay service. Service outside the PMA (but within the same LATA) is made possible by the distance sensitive Link Extension. One or more PMAs may be located within a LATA. Extended Area Service (EAS) does not apply nor is an Optional EAS arrangement (including Extended Area Calling Service and Extended Measured Service) available for this service.
- 4.2 A customer's premises or serving central office need not be in the PMA to subscribe to Frame Relay Service. If the customer is served by an office outside the PMA (but within the same LATA), the customer will be required to subscribe to a Link Extension which will include distance sensitive charges based on the airline mileage (V-H) from the customer's serving central office to the closest central office that is within the PMA.
- 4.3 SWBT will install Frame Relay service when a firm order is received in an exchange or zone not included within existing Frame Relay PMAs, or in a LATA with no existing Frame Relay PMA. SWBT reserves the right to make a separate waiver request to not deploy Frame Relay at the tariffed rate if: 1) it is not economically justified in a particular instance; or 2) there is no central office within the exchange, zone or LATA that is technologically capable of offering the service. If SWBT fails to seek a waiver, or if the waiver is denied, SWBT will provide Frame Relay service at the tariffed rate.
- 4.4 When the customer requires the modification of standard service components not otherwise provided in this tariff, the modification may be furnished by SWBT subject to additional regulations, rates and charges as specified for Special Assemblies of Equipment in Section 29 of the General Exchange Tariff.
- 4.5 Special construction will be provided under the regulations and rates set forth in Section 1, Paragraph 4.8 of the Digital Link Service Tariff. Special construction is construction undertaken by SWBT where facilities are not available and there is no other requirement for the facilities constructed; of a type facility other than that normally used for this service; over a route other than that which would normally be used; in a quantity greater than what SWBT would normally construct for the needs of this service; on a temporary basis until permanent facilities are completed; involving abnormal costs; or in advance of normal construction on an expedited basis.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF

Section: 7  
Sheet: 5  
Revision: Original  
Replacing:

FRAME RELAY DIGITAL SERVICE

4. Service Availability (Cont'd)

- 4.6 This service is guaranteed under the terms of this subsection to provide an average performance of at least 99.0 percent error free seconds up to the demarcation point (network interface) of the channel for operation at all transmission speeds offered by this tariff. When Frame Relay Service is operating at an error performance level that is unsatisfactory to the customer, and SWBT determines that the error performance level is below that specified above, the period of substandard performance will be considered as an interruption. Any credit allowance shall be based on the time of notice by the customer or user to SWBT that an unsatisfactory performance level has occurred, provided that the customer promptly releases the service as requested by SWBT to perform testing and maintenance.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF  
Section: 7  
Sheet: 6  
Revision: Original  
Replacing:

#### FRAME RELAY DIGITAL SERVICE

##### 5. Limitations

- 5.1 Logical links must be associated with at least one Site Link. A customer must subscribe to at least one Site Link to subscribe to a Logical Link.
- 5.2 A Site Link can be associated with any number of Logical Links. Since all Logical Links need not be in use at the same time, it is possible for the total bandwidth of all Logical Links associated with one Site Link to exceed the bandwidth of that Site Link. Such a relationship is referred to as over-subscription and when this occurs, there can be no guarantee that the bandwidth defined for that logical link will be available at any point in time.
- 5.3 No Logical Link can have a greater bit rate than the bit rate of either of the associated Site Links.
- 5.4 A customer subscribing to a Site Link will be referred to as the controller of the Site Link. A customer subscribing to a Logical Link need not be the controller of either Site Link but must have the permission of both controllers in order to establish a logical Link between the two Site Links.
- 5.5 Site Links and Logical Links are ordered and billed independently and can have different customers as controllers. A request by one customer to disconnect one component does not result in the disconnection of associated components. Only the controller of a Site Link may authorize a disconnect of that Site Link.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF  
Section: 7  
Sheet: 7  
Revision: Original  
Replacing:

#### FRAME RELAY DIGITAL SERVICE

##### 6. Responsibility of the Customer

- 6.1 Where Frame Relay service is available for use in connection with communications systems or equipment provided by a customer or user, the operating characteristics of such systems or equipment shall be such as not to interfere with any services offered by SWBT. Such use is subject to the further provisions that the equipment provided by the customer or user does not endanger the safety of SWBT employees or the public; damage, harm, require change in or alteration of the equipment or other services of SWBT; interfere with the proper operation of SWBT's equipment; or otherwise injure the public in its use of SWBT services. Upon notice from SWBT that the equipment provided by the customer or user is causing, or is likely to cause, such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.
- 6.2 The customer, upon request, shall furnish such information as may be required to permit SWBT to design and maintain the Frame Relay service it offers and to assure that the service arrangement is in compliance with the regulations contained herein.
- 6.3 It shall be the responsibility of the customer to ensure the continuing compatibility of the customer provided equipment that is used in conjunction with the Frame Relay service.
- 6.4 Registration Program - Effective June 30, 1987, the Federal Communications Commission's Part 68 Rules and Regulations were amended to require registration of customer provided equipment that directly connected to subrate and 1.544 mbps digital services after that date. The equipment or system must also comply with the requirements of the Technical Reference Publication 62411. This publication may be obtained from Bell Communications Research, Information Operations Center, 60 New England Ave., Piscataway, NJ, 08854-4196 (800 521-2673).
- 6.5 The customer shall be responsible for obtaining permission for SWBT agents or employees to enter the premises of the customer at any reasonable hour for the purpose of installing, inspecting, repairing or, upon termination of the service, removing the service components of SWBT.
- 6.6 The customer shall be responsible for the payment of a nonrecurring Maintenance of Service Charge as found in Section 8, Paragraph 1.2.2 of the General Exchange Tariff for each repair visit to a premises of the customer or the premises of any other customer where the service difficulty or trouble results from the use of equipment or service components provided by the customer.



President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF  
Section: 7  
Sheet: 8  
Revision: Original  
Replacing:

#### FRAME RELAY DIGITAL SERVICE

##### 7. Responsibility of SWBT

- 7.1 The responsibility of SWBT shall be limited to furnishing network equipment suitable for Frame Relay service and to the maintenance and operation of such equipment in a manner proper for such service. Subject to this responsibility, SWBT shall not be responsible for the through transmission of signals generated by the customer provided equipment or system, or for the quality of, or defects in, such transmission or the reception of signals by such equipment or systems.
- 7.2 SWBT shall not be responsible for installation, operation or maintenance of any terminal equipment, data unit or communications system provided by a customer or user. SWBT is not responsible for adapting Frame Relay service to the technological requirements of any specific customer equipment.
- 7.3 When a customer orders a Logical Link which is relayed to other local exchange carriers or other Frame Relay networks, SWBT will provide advisory assistance as a part of the establishment of this Logical Link.
- 7.4 SWBT shall not be responsible to the customer or user if changes in any of the equipment, operations or procedures of SWBT used in the provision of Frame Relay service render any facilities provided by the customer or user obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance, provided SWBT has met any applicable information disclosure requirements otherwise required by law.
- 7.5 SWBT undertakes the responsibility to maintain and repair the service which it furnishes. Network equipment installed by SWBT on the customer's premises shall be and remain the property of SWBT. The customer or user may not rearrange, disconnect, remove, attempt to repair, remote test or interface with any network equipment installed by SWBT without prior written consent by SWBT.
- 7.6 SWBT, by written notice to the customer, may immediately discontinue the furnishing of Frame Relay service without incurring liability upon nonpayment of any sum due to SWBT or a violation of any condition governing the furnishing of service.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF

Section: 7  
Sheet: 9  
Revision: Original  
Replacing:

FRAME RELAY DIGITAL SERVICE

7. Responsibility of SWBT (Cont'd)

- 7.7 SWBT has the service responsibility up to and including the network interface. The network interface will be provided by SWBT as set forth in Technical Reference PUB 62411.
- 7.8 The placement of the network interface shall be located in a manner consistent with federal and state regulatory requirements. This location will be at each customer's premises, unless specified otherwise by building/land owner and agreed to by SWBT.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF  
Section: 7  
Sheet: 10  
Revision: Original  
Replacing:

#### FRAME RELAY DIGITAL SERVICE

##### 8. Application of Rates and Charges

- 8.1 Rates and charges for the Site Link will include a recurring monthly rate and a nonrecurring service charge and are based on the available transmission speeds (bit rates). The Site Link is available in three bit rates: 56 kbps, 384 kbps and 1.536 mbps.
- 8.2 The rates for the Logical Link will include a recurring monthly rate and a nonrecurring service charge as specified in subsection 9 of this tariff, are based on transmission speeds, and will be available in a variety of bit rates.
- 8.3 A Link Extension or a Network Link will consist of a flat monthly rate and a monthly distance sensitive rate. These rates are in addition to the monthly rate for the associated Site Link in the case of a Link Extension, or the associated logical Link in the case of a Network Link.
- 8.4 A nonrecurring service charge as specified in subsection 9 of this tariff will be assessed for each customer requested change in the transmission speed of the Site link or logical link or for a new Site Link or Logical Link at the new speed.
- 8.5 The application of nonrecurring service charges as found in subsection 9 of this tariff is as follows:

First Unit - Applies to the first unit per customer request, per due date, per PMA.

Additional Unit - Applies to the additional unit(s) on the same customer request as the initial unit, same due date, and same PMA.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: June 29, 1992  
Effective: January 26, 1993

DIGITAL LINK SERVICE TARIFF  
Section: 7  
Sheet: 11  
Revision: Original  
Replacing:

### FRAME RELAY DIGITAL SERVICE

#### 9. Rates and Charges

##### 9.1 Site Links

#### Nonrecurring Service Charges

	<u>USOC</u>	<u>Monthly Rate</u>	<u>First Unit</u>	<u>Additional Unit</u>
56 kbps . . . . .	LOK5X	\$170.00	\$390.00	\$300.00
384 kbps . . . . .	LOK6X	295.00	640.00	440.00
1.536 mbps (1). . .	LOK8X	850.00	640.00	440.00

##### 9.2 Link Extensions (2)

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Monthly Rate Per Mile</u>
56 kbps . . . . .	FCE5X	\$ 50.00	\$ .96
384 kbps . . . . .	FCE6X	65.00	28.00
1.536 mbps (1). . .	FCE8X	65.00	28.00

- (1) Network capabilities in some locations may be initially limited to providing a maximum of 1.344 mbps.
- (2) A Link Extension is assessed both the monthly base rate and the monthly rate per mile which is calculated using the distance from the customer's serving central office to the nearest central office that is located within the PMA. These rates are in addition to the monthly rate for the associated Site Link. The Link Extension must be associated with and ordered at the same time as the Site Link.

President - Texas Division  
 Southwestern Bell Telephone Company  
 Dallas, Texas  
 Issued: February 18, 1993  
 Effective: March 22, 1993

DIGITAL LINK SERVICE TARIFF  
 Section: 7  
 Sheet: 12  
 Revision: Original (Corrected)  
 Replacing: Original

**FRAME RELAY DIGITAL SERVICE**

**9. Rates and Charges (Cont'd)**

**9.3 Network Links (1)**

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Monthly Rate Per Mile</u>
56 kbps . . . . .	NLZ5X	\$ 60.00	\$ .96
384 kbps . . . . .	NLZ6X	300.00	28.00
1.536 mbps (2). . .	NLZ8X	990.00	28.00

**9.4 Logical Links**

**Nonrecurring Service Charges**

	<u>USOC</u>	<u>Monthly Rate</u>	<u>First Unit</u>	<u>Additional Unit</u>	
56 kbps . . . . .	LCN5X	\$ 45.00	\$150.00	\$120.00	
384 kbps . . . . .	LCN6X	60.00	150.00	120.00	(C)
1.536 mbps (2). . .	LCN8X	160.00	150.00	120.00	(C)

- (1) A Network Link is assessed both the monthly base rate and the monthly rate per mile which is calculated using the distance from the two closest offices in the two PMAs being connected. A Network Link must be associated with and ordered at the same time as one or more Logical Links.
- (2) Network capabilities in some locations may be initially limited to providing a maximum of 1.344 mbps.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: April 20, 1994  
Effective: June 1, 1994

INTEGRATED SERVICES TARIFF

Section: 3  
Sheet: Index 1  
Revision: 4  
Replacing: 3

DIGILINE SERVICE

INDEX

	<u>Sheet</u>	
1. <b>GENERAL</b> . . . . .	1	
1.1 Service Description . . . . .	1	
1.2 Service Availability . . . . .	1	
1.3 Service Components: Description and Definitions . . . . .	1	(T)
1.4 Technical Specifications . . . . .	5.1	
1.5 Regulations . . . . .	6	
1.6 Service Term . . . . .	6.2	(T)
1.7 Special DigiLine Service Requests . . . . .	7	
1.8 Moves . . . . .	7	
1.9 Supersedures . . . . .	7	
1.10 Suspension of Service - Initiated by the Customer (Vacation Service) . . . . .	7	
1.11 Distance Learning . . . . .	7	
1.12 Regulations Applicable to Existing Digiline Service Provided at Existing Customer's Locations as of the Effective Date (June 1, 1994) of This Section of the Tariff . . . . .	7	(N)
2. <b>RATES APPLICATION</b> . . . . .	7.1	(T)
2.1 General . . . . .	7.1	(T)
2.2 Occasional User Plan . . . . .	7.1	(T)
2.3 Rates Schedule . . . . .	8	(N)

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: October 13, 1994  
Effective: May 23, 1995

INTEGRATED SERVICES TARIFF

Section: 3  
Sheet: 1  
Revision: 3  
Replacing: 2

**DIGILINE SERVICE**

**1. General**

**1.1 Service Description**

DigiLine Service is a Basic Rate Interface (BRI) Integrated Services Digital Network (ISDN) based service which offers two 64 Kilobits per second (Kbps) circuit switched B channels and one 16 Kbps D channel. One or both B channels may be configured for circuit switching or packet switching. Calls over a B channel configured for circuit switching may be either voice or data. The D channel carries out of band signaling for the B channel(s) and may also be configured for packet switching. DigiLine Service, when configured for circuit switching, provides access to and from the Public Switched Telephone Network (PSTN). DigiLine Service, when configured for packet switching, provides access to SWBT's Public Packet Switched Network (PPSN).

**1.2 Service Availability**

- 1.2.1 SWBT will provide DigiLine Service within a LATA where facilities and equipment are available. This tariff section does not create an obligation for SWBT to construct such facilities or equipment for this service. (N)
- 1.2.2 DigiLine Service for Plexar I and Plexar II is available only to existing systems with DigiLine Service as of the effective date of final approval of this tariff section in Docket No. 10687 until otherwise ordered by the Commission. Outside moves are allowed only within the same central office.
- 1.2.3 Availability of selected optional features may be dependent upon the DigiLine serving central office switch type.

**1.3 Service Components: Description and Definitions**

Additional Call Offering - A feature that notifies the user of an additional circuit switched voice call that would normally be cleared because the user's interface is busy. This feature is not available with Basic ECTS. (The method of notification to the end user is customer premises equipment dependent.)

Additional End Point/Telephone Number - A PSD-D option that provides an additional end point (terminal equipment identifier) or telephone number. Up to eight packet end points/telephone numbers may be activated with the PSD-D Network Rate Element.

Additional Logical Channel - A packet switched data option that provides an additional logical channel with the PSD-B Network Rate Element or the PSD-D Network Rate Element. Up to 128 logical channels may be activated with the PSD-B Network Rate Element and up to 15 logical channels may be activated with the PSD-D Network Rate Element.

Adjunct Control - A Terminal Management feature that allows the user to automatically turn on the speaker phone by pressing a call appearance button on the telephone set without lifting the handset.

Automatic Callback - This feature enables the user to place a call to the telephone number associated with the most recent call received, whether or not the call was answered or the number is known. The user can dial a code or press a feature button to request that the network place the call.

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: April 20, 1004  
Effective: June 1, 1994

INTEGRATED SERVICES TARIFF  
Section: 3  
Sheet: 1.1  
Revision: 1  
Replacing: Original

## DIGILINE SERVICE

### 1. General (Cont'd)

#### 1.3. Service Components (Cont'd)

Automatic Callback On Busy - When activated, this feature automatically redials a busy number. To activate this feature, the user presses the button assigned to Automatic Callback On Busy when a busy number has been dialed. When the busy station becomes idle, a distinctive ring alerts the originating station that the dialed station is now idle. When the originating station goes off-hook, the station number is automatically redialed. This feature requires Plexar Station-to-Station Unrestricted Calling. This feature is restricted to a customer group and is available to existing Plexar I and Plexar II systems only, pursuant to 1.2.2 above. (M)

Automatic Hold/Drop Preference - A Terminal Management feature that automatically determines how to handle an active call on one call appearance when the user shifts to another call appearance. (M)

Automatic Recall - This feature enables a calling station to automatically place a call to the last called directory number from the station. (N)  
(N)

Basic Electronic Key Terminal Service (Basic EKTS) Feature Package - A CSV/CSD option that enhances normal telephone use. It consists of: Hold, Drop, Call Forwarding, Call Forwarding Don't Answer, Call Forwarding Interface Busy, Three Way Conference Calling and Speed Calling. Transfer is also available, but restricted to a customer group and is available to existing Plexar I and Plexar II systems only, pursuant to 1.2.2 above. (T) (M)  
(T) (M)

Basic Interface Equipment - Provides the central office hardware and software required to provide DigiLine Service. It includes a U line card (2B1Q) which provides two 64 Kbps B channels and one 16 Kbps D channel.

Basic Interface Facility - A 144 Kbps facility that extends from the customer's normal serving central office to the customer's demarcation point.

Bridging - A CACH EKTS feature that allows the user to join an active call by pressing the active call appearance button and going off-hook. This establishes a three-way call. This feature is different from basic three-way calling because the third party initiates the bridge to the active call. Bridging is inhibited if Manual Exclusion is activated on a terminal engaged in the active call. Only one additional shared call appearance user may bridge to an active two-way call. Bridging cannot be activated on an existing three-way call. (T)



President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: April 20, 1994  
Effective: June 1, 1994

INTEGRATED SERVICES TARIFF

Section: 3  
Sheet: 2  
Revision: 2  
Replacing: 1

DIGILINE SERVICE

1.. General (Cont'd)

1..3 Service Components (Cont'd)

Button Management - A Terminal Management feature that maintains the button configuration for the terminal. For example, a terminal with ten buttons may be configured with six call appearances and four feature buttons, whereas another terminal with ten buttons may be configured with eight call appearances and two feature buttons.

Call Appearance - A button on an electronic telephone set that serves as a telephone number designation or appearance. A single telephone number can appear on multiple electronic telephone sets and/or multiple times on the same electronic set. A visual indicator identifies the status of the call appearance (e.g., the lamp may flash for an unanswered call, blink for a call that has been placed on hold, remain dark for an idle call appearance, or remain steady for the currently active call).

Call Appearance Assigned - When a telephone number is designated to a specific button on an electronic telephone set it becomes an assigned call appearance.

Call Appearance Call Handling Electronic Key Terminal Service (CACH EKTS) Feature Package - A CSV/CSD option that provides central office functions allowing single button access to customer features, multiple telephone numbers and call appearances. Other service features included with this package are: Additional Call Offering, Terminal Management, Hold, Drop, Bridging, Manual Exclusion, Ten Feature Button Appearance, Call Forwarding, Call Forwarding Don't Answer, Call Forwarding Interface Busy, Three-Way Conference Calling and Speed Calling. Transfer is also available, but restricted to a customer group and is available to existing Plexar I and Plexar II systems only, pursuant to 1.2.2 above.

(T) (M)

(E)

(T)

(M)

Call Appearance Selection For Implicit Conference - A Terminal Management feature that automatically selects an idle call appearance when establishing either a conference call or transferring a call. When the Conference or Transfer button is pressed, the active call is placed on hold and an idle line is automatically seized so that the conference or transfer call can be made. Transfer is available but restricted to a customer group and is available to existing Plexar I and Plexar II systems only, pursuant to 1.2.2 above.

Call Forwarding - A Basic EKTS and CACH EKTS feature that allows a user to redirect incoming calls to another station. To activate this feature, the user presses the button assigned to Call Forwarding and then dials the number to which calls are to be sent. Buttons can be programmed to activate variations of Call Forwarding such as Call Forwarding Interface Busy and Call Forwarding Don't Answer.

(T)

Call Forwarding Don't Answer - A circuit switched feature that directs incoming calls to a preselected station when the called station is not answered after a customer specified number of seconds.

(T)

Call Forwarding Interface Busy - A circuit switched feature that permits calls reaching a busy line to be redirected to another line.

(T)

Call Forwarding Variable - A circuit switched feature that allows a user to redirect incoming calls to another line.

(N)

(N)

Call Pick-Up - Allows the user to pick up a call directed to another station within the customer group. This feature is available to existing Plexar I and Plexar II systems only, pursuant to 1.2.2 above.

Calling Number Delivery - A circuit switched feature that allows the transmission of the calling party number to the subscriber.

(N)

(N)